T1 collaborative	T1 perspectives	T1 consensus building
T1 Pair programming	T1 bug	T1 testing
T1 computing innovation	T1 bias	T1 user

T1 达成共识 dá chéng gòng shí	T1 视角 shì jiǎo	T1 协作 xié zuò
T1 测试 cè shì	T1 缺陷 quē xiàn	T1 结对编程 jié duì biān chéng
T1 用户 yòng hù	T1 偏见 piān jiàn	T1 计算创新 jì suàn chuàng xīn

T1 conflict resolution	T1 negotiation	T1 purpose
T1 input	T1 output	T1 program
T1 software	T1 code segment	T1 behavior

T1 目的 mù dì	T1 协商 xié shāng	T1 解决冲突 jiě jué chōng tū
T1 程序 chéng xù	T1 输出 shū chū	T1 输入 shū rù
T1 行为 xíng wéi	T1 代码段 dài mǎ duàn	T1 软件 ruǎn jiàn

T1 tactile	T1 iterative	T1 diagram
T1 implement	T1 decomposition	T1 Comments
T1 incremental	T1 prototype	T1 surveys

T1 图示 tú shì	T1 迭代的 dié dài de	T1 触觉的 chù jué de
T1 注释 zhù shì	T1 分解 fēn jiě	T1 实现 shí xiàn
T1 调查问卷 diào chá wèn juǎn	T1 原型 yuán xíng	T1 增量的 zēng liàng de

T1 interview	T1 observation	T1 user testing
T1 program requirements	T1 user interface	T1 specification
T1 storyboard	T1 event	T1 flow of execution

T1

用户测试

yòng hù cè shì

T1

观察

guān chá

T1

访谈

fǎng tán

T1

规格说明

guī gé shuō míng

T1

用户界面

yòng hù jiè miàn

T1

程序需求

chéng xù xū qiú

T1

执行流程

zhí xíng liú chéng

T1

事件

shì jiàn

T1

故事板

gù shì bǎn

T1 event handler	T1 event-driven programming	T1 program documentation
T1 debugging	T1 syntax error	T1 runtime error
T1 logic error	T1 overflow error	T1 test case

T1 程序文档 chéng xù wén dàng	T1 事件驱动编程 shì jiàn qū dòng biān chéng	T1 事件处理程序 shì jiàn chǔ lǐ chéng xù
T1 运行时错误 yùn xíng shí cuò wù	T1 语法错误 yǔ fǎ cuò wù	T1 调试 tiáo shì
T1 测试用例 cè shì yòng lì	T1 溢出错误 yì chū cuò wù	T1 逻辑错误 luó jí cuò wù

T1 print statement	T1 hand-tracing	T1 debugger
T1 visualization	T1 order of operations	T1 feedback
T2 bits	T2 byte	T2 binary

T1 调试器 tiáo shì qì	T1 手动跟踪 shǒu dòng gēn zōng	T1 打印语句 dǎ yìn yǔ jù
T1 反馈 fǎn kuì	T1 运算顺序 yùn suàn shùn xù	T1 可视化 kě shì huà
T2 二进制 èr jìn zhì	T2 字节 zì jié	T2 位 wèi

T2 decimal	T2 Overflow error	T2 Round-off (rounding) error
T2 pixels	T2 abstraction	T2 analog
T2 digital	T2 sample	T2 Compression

T2 舍入错误 shě rù cuò wù	T2 溢出错误 yì chū cuò wù	T2 十进制 shí jìn zhì
T2 模拟 mó nǐ	T2 抽象 chōu xiàng	T2 像素 xiàng sù
T2 压缩 yā suō	T2 采样 cǎi yàng	T2 数字 shù zì

T2 Lossless compression	T2 Lossy compression	T2 run-length encoding
T2 redundancy	T2 Data	T2 information
T2 correlation	T2 Metadata	T2 cleaning data

T2 游程编码 yóu chéng biān mǎ	T2 有损压缩 yǒu sǔn yā suō	T2 无损压缩 wú sǔn yā suō
T2 信息 xìn xī	T2 数据 shù jù	T2 冗余 rǒng yú
T2 数据清洗 shù jù qīng xǐ	T2 元数据 yuán shù jù	T2 相关性 xiāng guān xìng

T2 scalability	T2 filtering	T2 visualizing
T2 privacy	T2 clustering	T2 classifying
T3 variable	T3 assignment	T3 Data abstraction

T2

可视化

kě shì huà

T2

过滤

guò lǜ

T2

可扩展性

kě kuò zhǎn xìng

T2

分类

fēn lèi

T2

聚类

jù lèi

T2

隐私

yǐn sī

T3

数据抽象

shù jù chōu xiàng

T3

赋值

fù zhí

T3

变量

biàn liàng

T3 remainder	T3 string	T3 concatenation
T3 Boolean expression	T3 conditional (selection)	T3 nested conditional
T3 Iteration (a loop)	T3 infinite loop	T3 algorithm

T3 拼接 pīn jiē	T3 字符串 zì fú chuàn	T3 余数 yú shù
T3 嵌套条件 qiàn tào tiáo jiàn	T3 条件语句 tiáo jiàn yǔ jù	T3 布尔表达式 bù ěr biǎo dá shì
T3 算法 suàn fǎ	T3 无限循环 wú xiàn xún huán	T3 迭代 dié dài

T3 list	T3 Binary search	T3 procedure (function)
T3 procedural abstraction	T3 abstraction	T3 library
T3 simulation	T3 Efficiency	T3 heuristic

T3

过程

guò chéng

T3

二分搜索

èr fēn sōu suǒ

T3

列表

liè biǎo

T3

库

kù

T3

抽象

chōu xiàng

T3

过程抽象

guò chéng chōu xiàng

T3

启发式

qǐ fā shì

T3

效率

xiào lǜ

T3

模拟

mó nǐ

T3 undecidable	T3 Interface	T3 halting problem
T4 Internet	T4 network	T4 packets
T4 destination	T4 Protocols	T4 routes

T3

停机问题

tíng jī wèn tí

T3

应用程序接口

yìng yòng chéng xù jiē kǒu

T3

不可判定

bù kě pàn dìng

T4

数据包

shù jù bāo

T4

网络

wǎng luò

T4

互联网

hù lián wǎng

T4

路由

lù yóu

T4

协议

xié yì

T4

目的地

mù dì dì

T4 Redundancy	T4 fault-tolerant	T4 open
T4 scalable	T4 standards	T4 devices
T4 Bandwidth	T4 computing device	T4 computing system

T4 开放的 kāi fàng de	T4 容错 róng cuò	T4 冗余 rǒng yú
T4 设备 shè bèi	T4 标准 biāo zhǔn	T4 可扩展的 kě kuò zhǎn de
T4 计算系统 jì suàn xì tǒng	T4 计算设备 jì suàn shè bèi	T4 带宽 dài kuān

T4 computer network	T4 path	T4 router
T4 data stream	T4 metadata	T4 reliable
T4 layered	T4 latency	T4 bits

T4 路由器 lù yóu qì	T4 路径 lù jìng	T4 计算机网络 jì suàn jī wǎng luò
T4 可靠的 kě kào de	T4 元数据 yuán shù jù	T4 数据流 shù jù liú
T4 位 wèi	T4 延迟 yán chí	T4 分层的 fēn céng de

T4 World Wide Web	T4 reliability	T4 backup route
T4 single point of failure	T4 Sequential computing	T4 Parallel computing
T4 processors	T4 Distributed computing	T4 speedup

T4

备用路由

bèi yòng lù yóu

T4

可靠性

kě kào xìng

T4

万维网

wàn wéi wǎng

T4

并行计算

bìng xíng jì suàn

T4

顺序计算

shùn xù jì suàn

T4

单点故障

dān diǎn gù zhàng

T4

加速比

jiā sù bǐ

T4

分布式计算

fēn bù shì jì suàn

T4

处理器

chǔ lǐ qì

T4 interoperate	T4 scalability	T4 central control
T4 digital divide	T4 encryption	T4 authentication
T4 IP address	T5 World Wide Web	T5 targeted advertising

T4 集中控制 jí zhōng kòng zhì	T4 可扩展性 kě kuò zhǎn xìng	T4 互操作 hù cāo zuò
T4 身份验证 shēn fèn yàn zhèng	T4 加密 jiā mì	T4 数字鸿沟 shù zì hóng gōu
T5 定向广告 dìng xiàng guǎng gào	T5 万维网 wàn wéi wǎng	T4 IP 地址 IP dì zhǐ

T5 machine learning	T5 data mining	T5 digital divide
T5 equity	T5 Bias	T5 Crowdsourcing
T5 citizen science	T5 crowdfunding	T5 Intellectual property

T5 数字鸿沟 shù zì hóng gōu	T5 数据挖掘 shù jù wā jué	T5 机器学习 jī qì xué xí
T5 众包 zhòng bāo	T5 偏见 piān jiàn	T5 公平 gōng píng
T5 知识产权 zhī shí chǎn quán	T5 众筹 zhòng chóu	T5 公民科学 gōng mín kē xué

T5 copyright	T5 Open-source	T5 Plagiarism
T5 open access	T5 Creative Commons	T5 Personally identifiable information (PII)
T5 biometric data	T5 identity theft	T5 phishing

T5 抄袭 chāo xí	T5 开源 kāi yuán	T5 版权 bǎn quán
T5 个人身份信息 gè rén shēn fèn xìn xī	T5 知识共享 zhī shí gòng xiǎng	T5 开放获取 kāi fàng huò qǔ
T5 网络钓鱼 wǎng luò diào yú	T5 身份盗窃 shēn fèn dào qiè	T5 生物特征数据 shēng wù tè zhēng shù jù

T5 malware	T5 multi-factor authentication	T5 encryption
T5 Authentication	T5 strong password	T5 decryption
T5 symmetric key encryption	T5 public key encryption	T5 public key

T5 加密 jiā mì	T5 多因素认证 duō yīn sù rèn zhèng	T5 恶意软件 è yì ruǎn jiàn
T5 解密 jiě mì	T5 强密码 qiáng mì mǎ	T5 身份验证 shēn fèn yàn zhèng
T5 公钥 gōng yào	T5 公钥加密 gōng yào jiā mì	T5 对称密钥加密 duì chèn mì yào jiā mì

T5 private key	T5 certificate authority	T5 digital certificate
T5 keylogging	T5 rogue access point	T5 computer virus
T5 permission settings		

T5

数字证书

shù zì zhèng shū

T5

证书颁发机构

zhèng shū bān fā jī gòu

T5

私钥

sī yào

T5

计算机病毒

jì suàn jī bìng dú

T5

恶意接入点

è yì jiē rù diǎn

T5

键盘记录

jiàn pán jì lù

T5

权限设置

quán xiàn shè zhì